

Line 14, after "provide" insert --a--; and

Line 19, after "invention," insert --an--.

Page 100,

Delete the space between line 9 and line 11.

IN THE CLAIMS:

Please cancel ~~claims~~ 1-34 without prejudice to or disclaimer of the related subject matter.

Please add new ~~Claims~~ 35-48 as follows:

--35. ~~An image forming apparatus comprising:~~
an image forming member adapted to form an image;

and

pulse-width modulation means for generating a
pulse-width modulation signal in accordance with an image
signal,

wherein said pulse-width modulation means generates
the pulse-width modulation signal by counting pulses of a
~~first clock signal in accordance with the image signal, and~~

~~wherein the first clock signal is generated by reading data from storage means which stores output pattern data of the first clock signal, and the reading data from said storage means is performed by outputting data corresponding to the pattern data from a plurality of flip-flops connected in series, the flip-flops latching the pattern data of the first clock signal.~~

36. The image forming apparatus according to claim 35, wherein the storage means stores the pattern data of the first clock signal as digital data.

a1
cont

37. The image forming apparatus according to claim 35, wherein the first clock signal has an output pattern for correcting an image signal and generating a pulse width modulation signal in accordance with a characteristic of said image forming member.

38. The image forming apparatus according to claim 35, wherein the first clock signal has an output pattern for releasing or relieving a state of gamma correction for an input image signal.

39. The image forming apparatus according to claim 35, wherein said image forming member comprises a plurality of devices for forming an image by light emission, arranged in a matrix.

40. The image forming apparatus according to claim 39, wherein in said plurality of devices arranged in a matrix, a device of the plurality of devices to be driven is sequentially selected by each row, and the devices in the selected row are controlled by the pulse-width modulation signal.

41. The image forming apparatus according to claim 39, wherein at least one of the plurality of devices causes a light emitting member to emit light by emitting electrons, so as to form an image.

42. The image forming apparatus according to claim 35, wherein said image forming member emits electrons to emit a light from a light emission member, so as to form an image.

43. The image forming apparatus according to claim 42, wherein the device is a surface-conduction type emission device.

44. The image forming apparatus according to claim 42, wherein the device is a Field Emission (FE) type electron emission device.

45. The image forming apparatus according to claim 42, wherein the device is an Metal/Insulator/Metal (MIM) type electron emission device.

a1
cont
Sub
C2

46. ~~An electron beam apparatus comprising:~~
an electron beam source; and
pulse-width modulation means for generating a
pulse-width modulation signal to control electron emission,
wherein said pulse-width modulation means generates
the pulse-width modulation signal by counting pulses of a
first clock signal in accordance with an input signal, and
wherein the first clock signal is generated by
~~reading output pattern data from storage means which stores~~

the output pattern data of the first clock signal, and the reading of the output pattern data from said storage means is performed by outputting data corresponding to the pattern data from a plurality of flip-flops connected in series, the flip-flops latching the pattern data of the first clock signal.

47. A modulation circuit comprising:

a pulse-width modulation circuit generating a pulse-width modulation signal; and

a plurality of flip-flops connected in series,

wherein said pulse-width modulation signal is generated by counting pulses of a first clock signal in accordance with an input signal, and

wherein the first clock signal is generated by reading output pattern data from storage means which stores the output pattern data of the first clock signal, and the reading the output pattern data from the storage means is performed by outputting data corresponding to the pattern data from said plurality of flip-flops, the flip-flops latching the pattern data of the first clock signal.

al
Cont